



INNOVATION. **PRECISION.** EXCELLENCE.

## System Specifications

### Dimensions

241 mm x 168 mm x 70 mm  
(9.5 in x 6.63 in x 2.75 in)

### Weight

5 lbs (2.27 kg)

### Power

115/230V AC input voltage  
24V DC internal voltage

### Air

100 psi (6.9 bar) maximum input  
1-100 psi (0.1 – 6.9 bar) maximum output

### Timer

0.01 sec – 99.99 sec

### Cycle Initiation

Maintained, Momentary, or Teach

### Repeat Accuracy

0.5 ms (0.005 sec)

### Recycle Speed

12 ms (0.012 sec)

### Certifications

CE, RoHS

## ST100S

### Digital Benchtop Syringe Controller

The ST100S is a digital shot timer used for syringe dispensing. This compact controller is an economic and ergonomic solution for improving the waste, inaccuracies, and clean up associated with many manual processes. The ST100S is ideal for chemistries packaged in syringes such as solder paste, UV adhesives, and masking material.

The ST100S has many integrated features including:

- Digital timer with LED display and 0.001 – 99.99 second time range
- Manual, timed, or teach modes
- Adjustable analog vacuum suck-back for clean cycle stops
- Integrated pressure control
- Electric foot pedal and power cord
- Built in regulator and gauge
- Sample PVA needle tips / 30cc syringe and air cap
- 9-pin serial port connection

For more information, please contact PVA at [info@pva.net](mailto:info@pva.net) or contact your local representative.



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